

TIME DOMAIN ESTIMATION OF IQ IMBALANCE IN A
WIRELESS OFDM DIRECT CONVERSION RECEIVER

ABSTRACT OF THE DISCLOSURE

An OFDM receiver is configured for suppressing pilot energy, and DC energy, from received I and Q components prior to estimating amplitude and phase imbalances of the received I and Q components. Hence, amplitude and phase imbalances can be estimated accurately despite channel fading and frequency variations between the transmitter and receiver.